

Table A1

Table III in Declaration of March 15, 2010			Table 1		Table 2									
			Embodiment No. 1		Second Porcelain									
GLASSI (SBS)	INGOT		First Porcelain	Second Porcelain	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	
SiO ₂	68.0	65.6	68.7	65.0	64.3	62.6	63.9	64.7	64.3	65.4	66.7	66.0	66.6	
Al ₂ O ₃	15.9	16.1	14.0	16.0	15.8	17.8	15.8	16.0	16.2	15.2	16.0	15.9	16.4	
Fe ₂ O ₃														
TiO ₂														
Li ₂ O	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.3	0.1	0.1	
Na ₂ O	5.0	4.5	5.0	5.0	5.9	4.9	4.9	5.0	4.8	4.8	4.5	4.5	4.1	
K ₂ O	10.0	9.8	9.0	10.0	9.9	9.7	9.9	10.0	10.6	10.5	9.0	10.0	9.2	
MgO		0.1		1.0	1.0	1.0	1.0	1.0	0.1	0.1	1.0	0.2	0.5	
CaO	0.3	0.7		1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.5	0.7	0.5	
BaO														
Sb ₂ O ₃	0.2	1.0			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
CeO ₂		0.8		0.7	0.7	0.7	0.7		0.8	0.8		0.8	0.8	
ZrO ₂	0.3	0.5	3.0				0.5							
B ₂ O ₃		0.8		1.0	0.1	1.0	1.0	1.0	0.8	0.8	1.0	0.8	0.8	
F ₂														
SnO ₂														
SiO ₂ /Al ₂ O ₃	4.3	4.1	4.9	4.1	3.5	3.5	4.0	4.0	4.0	4.3	4.2	4.2	4.1	
SiO ₂ /Na ₂ O	13.6	14.6	13.7	13.0	12.8	12.8	13.0	12.9	13.4	13.6	14.7	14.7	16.2	
Viscosity			9 × 10 ⁶	5.5 × 10 ⁶	4.5 × 10 ⁶	5.0 × 10 ⁶	5.3 × 10 ⁶	5.4 × 10 ⁶	6.3 × 10 ⁶	6.4 × 10 ⁶	7.2 × 10 ⁶	7.5 × 10 ⁶	8.5 × 10 ⁶	

Table A2

	Table 3 No.11		Table 4 Second Porcelain										Table 5	Table 6
	First Porcelain	Second Porcelain	No. 12	No. 13	No. 14	No. 15	No. 16	No. 17	No. 18	No. 19	First Porcelain	First Porcelain		
wt%	SiO ₂	47.7	64.5	62.6	64.5	64.5	64.9	64.4	64.8	64.8	66.9	65.7	45.7	
	Al ₂ O ₃	14.0	14.3	13.9	14.6	14.3	14.6	14.3	14.6	14.6	15.5	11.0	13.0	
	Fe ₂ O ₃													
	TiO ₂													
	Li ₂ O	0.3	0.3	0.2	0.4	0.3	0.4	0.4	0.4	0.4	1.0	0.3	0.3	
	Na ₂ O	6.0	9.0	11.7	9.2	8.5	8.5	9.1	9.7	9.8	8.0	7.0	10.0	
	K ₂ O	10.0	10.0	9.7	9.6	10.0	8.6	9.6	8.7	9.4	7.2	8.0	10.0	
	MgO	1.0	0.4	0.4	0.1	0.4	0.1	0.1	0.1	0.1	0.1			
	CaO	1.0	1.0	1.0	0.8	1.0	2.1	0.8	0.8	0.1	0.7	1.0	1.0	
	BaO													
	Sb ₂ O ₃				0.8		0.8	0.8	0.9	0.8	0.6			
	CeO ₂											1.0		
	ZrO ₂		0.5	0.5		0.5		0.5				5.0		
	B ₂ O ₃					0.5						1.0		
F ₂														
SnO ₂	20.0												20.0	
SiO ₂ /Al ₂ O ₃	3.4		4.5	4.4	4.5	4.4	4.4	4.5	4.4	4.3	4.4	6.0	3.5	
SiO ₂ /Na ₂ O	8.0		5.4	7.0	7.6	7.6	7.1	6.7	6.6	6.4	9.4	4.6	4.6	
Viscosity	1.5 × 10 ⁷	1 × 10 ⁷	0.6 × 10 ⁷	1.18 × 10 ⁷	1.2 × 10 ⁷	1.25 × 10 ⁷	1.26 × 10 ⁷	1.27 × 10 ⁷	1.30 × 10 ⁷	1.48 × 10 ⁷	1 × 10 ⁶	1 × 10 ⁶	1 × 10 ⁶	

Table B

	Example 1	Example 2	Example 3	Example 4	Example 5
	Body/ Incisal Porcelain	White Opaque Porcelain	White Opaque Porcelain	White Opaque Porcelain	White Opaque Porcelain
SiO ₂ /Al ₂ O ₃	5.3	4.4	4.3	4.4	4.3
SiO ₂ /Na ₂ O	12.9	10.9	10.8	11.1	11.1